

Substitute for form 1449A/PTO (Modified)			Complete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Application Number	10/081,936	
			Filing Date	February 20, 2002	
			First Named Inventor	KAYYEM, Jon Faiz	
			Art Unit	1631	
			Examiner Name	MARSCHER, Ardin H.	
Sheet	1	of	4	Attorney Docket Number	A-63761-7 (463037-00048)

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A1 *	4,755,458	07-05-1988	Rabbani et al.	
	A2	4,840,893	06-20-1989	Hill et al.	
	A3 *	4,868,103	09-19-1989	Stavrianopoulos et al.	
	A4 *	4,945,045	07-31-1990	Forrest et al.	
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	A7 *	5,089,112	02-18-1992	Skolheim et al.	
	A8 *	5,156,810	10-20-1992	Ribi	
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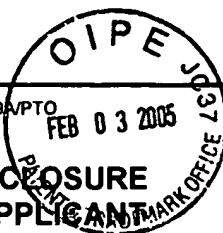
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**INFORMATION DISCLOSURE
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Sheet **2** of **4**

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
EW	A33 *	6,200,761 B1	03-13-2001	Meade et al.	
	A34	6,221,583 B1	04-23-2001	Kayyem et al.	
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	A36	6,258,545 B1	07-10-2001	Meade et al.	
	A37	6,479,240 B1	11-12-2002	Kayyem et al.	
	A38	6,528,266 B2	03-04-2003	Meade et al.	
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Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ² Number ³ Kind Code ⁴ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁵
EW	B1	EP 0 142 301 A2 ✓	05-22-1985	Serono Diagnostics Limited		
	B2 *	EP 0 234 938 A2	02-26-1987	Cranfield Institute of Technology		
	B3	EP 0 339 821 A1 ✓	11-02-1989	United Kingdom Atomic Energy Authority		
	B4	EP 0 439 036 A2 ✓	07-31-1991	Hoffman La Roche		
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	B6 *	EP 0 599 337 A2	06-01-1994	Canon K.K.		
	B7 *	EP 0 668 502 A2	08-23-1995	Yissum Research Development		
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	B10 *	WO 90/05732 A1	05-31-1990	The Trustees of Columbia University in the City of New York		
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	B12	WO 93/22678 A2/A3 ✓	11-11-1993	Massachusetts Institute of Technology		
	B13	WO 93/25898 A1	12-23-1993	Medisense, Inc.		

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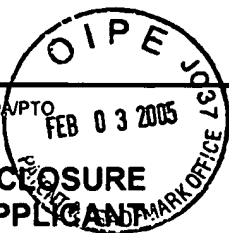
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Sheet 3 of 4

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[Signature]	B14 *	WO 94/22889 A1	10-13-1994	Cis Bio International		
	B15 *	WO 95/15971 A2/A3	06-15-1995	California Institute of Technology		
	B16 *	WO 96/06946 A1	03-07-1996	Igen, Inc.		
	B17	WO 96/10178 A1	04-04-1996	Pharmacia Biosensor AB		
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	B19	WO 97/46568 A1	12-11-1997	California Institute of Technology		
	B20	WO 98/20162 A2/A3	05-14-1998	Clinical Micro Sensors, Inc.		
	B21 *	WO 98/57159 A1	12-17-1998	Clinical Micro Sensors, Inc.		

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁴
[Signature]	C1 *	AIZAWA, M., et al., "Integrated molecular systems for biosensors," <i>Sens. Actuators B Chem.</i> 24(1&3):1-5 (Mar. 1995).	
	C2	ARKIN, M., et al., "Evidence for Photoelectron Transfer Through DNA Intercalation," <i>J. Inorg. Biochem. Abstr.</i> , 6th Int. Conf. Bioinorg. Chem. 51(1&2):526 (1993).	
	C3	ARKIN, M., et al., "Rates of DNA-Mediated Electron Transfer Between Metallointercalators," <i>Science</i> 273(5274):475-480 (Jul. 1996).	
	C4 *	BAIN, C., et al., "Formation of monolayers by the coadsorption of thiols on gold: variation in the length of the alkyl chain," <i>J. Am. Chem. Soc.</i> 111(18):7164-7175 (Aug. 1989).	
	C5	BLONDER, R., et al., "Application of Redox Enzymes for Probing the Antigen-Antibody Association at the Monolayer Interfaces: Development of Amperometric Immunosensor Electrodes," <i>Anal. Chem.</i> 68(18):3151-3157 (Sep. 1996).	
	C6 *	BRUN, A., et al., "Photochemistry of intercalated quaternary diazaaromatic salts," <i>J. Am. Chem. Soc.</i> 113(21):8153-8159 (Oct. 1991).	
	C7	CHENG, J., et al., "Selectivity and sensitivity of self-assembled thioctic acid electrodes," <i>Anal. Chem.</i> 64(17):1998-1999 (Sep. 1992).	
	C8 *	CHIDSEY, C., et al., "Coadsorption of ferrocene-terminated and unsubstituted alkanethiols on gold: electroactive self-assembled monolayers," <i>J. Am. Chem. Soc.</i> 112(11):4301-4306 (32994).	
	C9 *	DEGANI, Y., et al., "Direct electrical communication between chemically modified enzymes and metal electrodes: 2. Methods for bonding electron-transfer relays to glucose oxidase and D-amino-acid oxidase," <i>J. Am. Chem. Soc.</i> 110(8):2615-2620 (Apr. 1988).	
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Examiner
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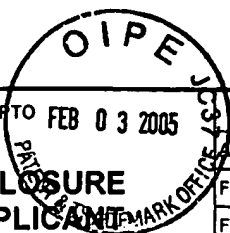
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EW	C11	DEGANI, Y., et al., "Electrical communication between redox centers of glucose oxidase and electrodes via electrostatically and covalently bound redox polymers," <i>J. Am. Chem. Soc.</i> 111(7):2357-2358 (Mar. 1989).		
	C12	FRIEDMAN, A., et al., "Molecular 'light switch' for DNA: Ru(bpy) ₃ (dppz) ²⁺ ," <i>J. Am. Chem. Soc.</i> 112(12):4960-4962 (Jun. 1990).		
	C13	FROMHERZ, P., "Photoinduced electron transfer in DNA matrix from intercalated ethidium to condensed methylviologen," <i>J. Am. Chem. Soc.</i> 108(17):5361-5362 (Aug. 1986).		
	C14	GREGG, B., et al., "Cross-linked redox gels containing glucose oxidase for amperometric biosensor applications," <i>Anal. Chem.</i> 62(3):258-263 (Feb. 1990).		
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	C16	HELLER, A., "Electrical Wiring of Redox Enzymes," <i>Acc. Chem. Res.</i> 23(5):128-134 (May. 1990).		
	C17	HELLER, A., et al., "Amperometric biosensors based on three-dimensional hydrogel-forming epoxy networks," <i>Sens. Actuators B</i> 13(1-3):180-183 (May 1993).		
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	C19	JIANG, L., et al., "Direct electron transfer reactions of glucose oxidase immobilised at a self-assembled monolayer," <i>J. Chem. Soc. Chem. Commun.</i> 12:1293-1295 (1995).		
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